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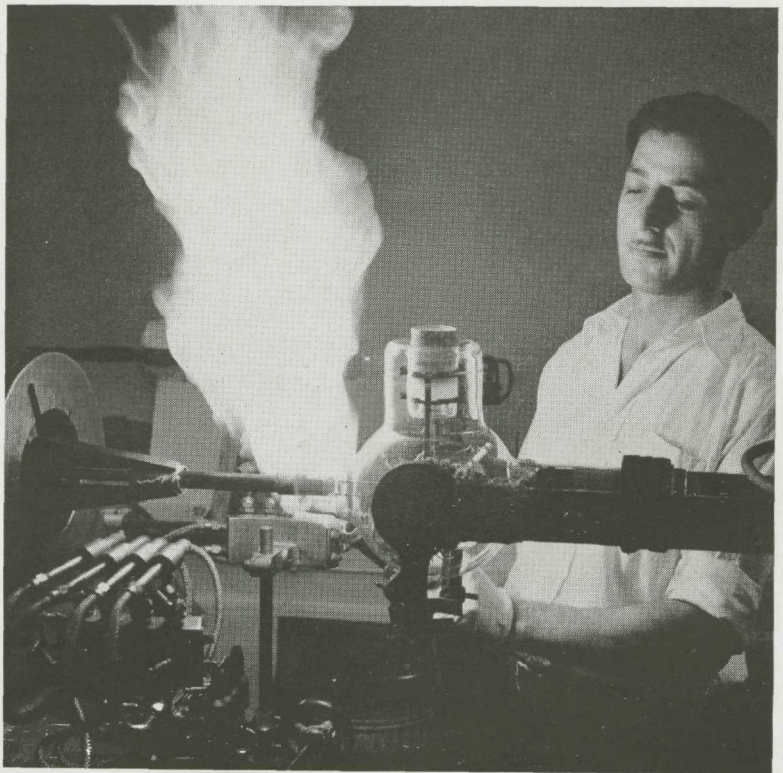
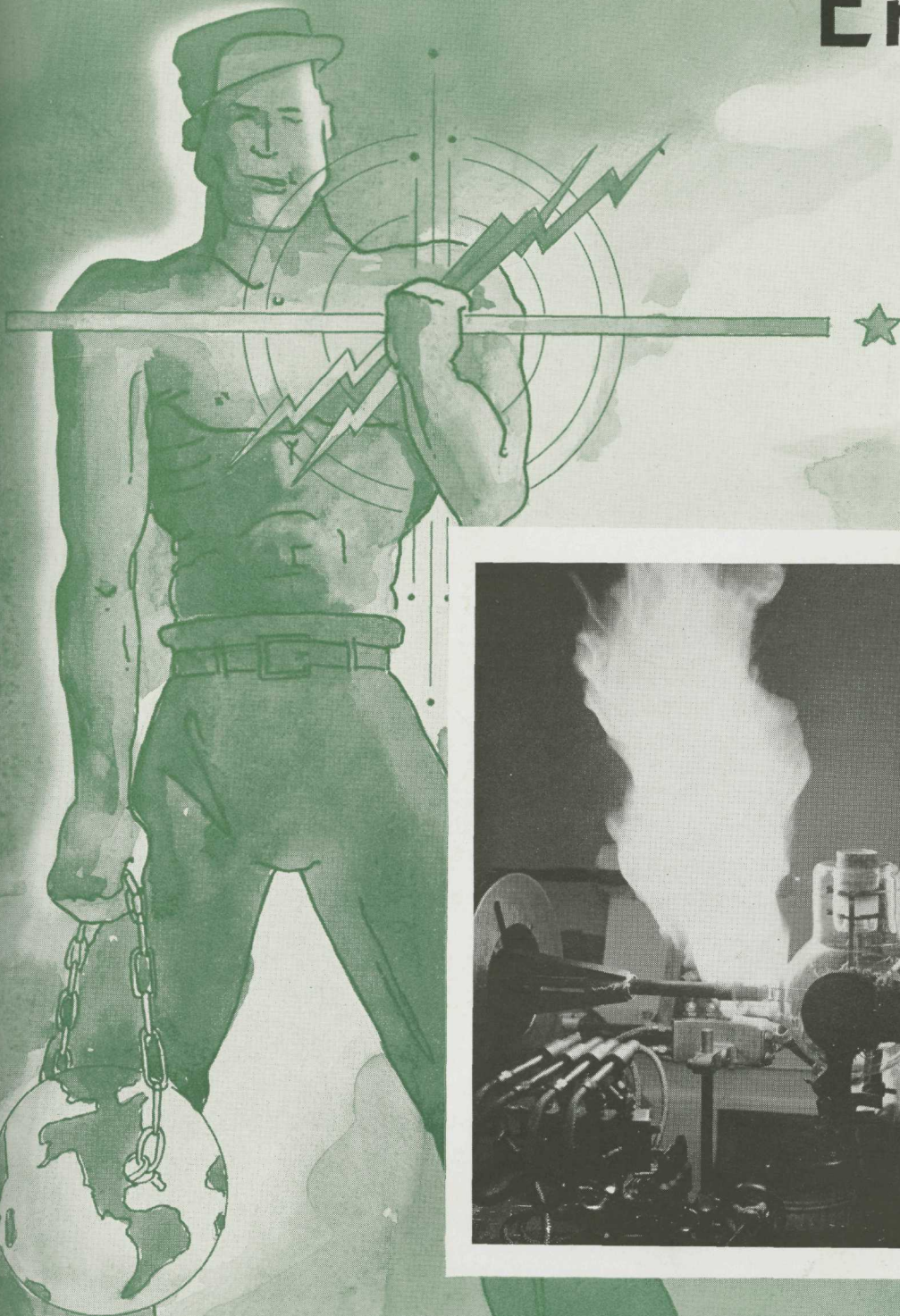
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*The Ohio State*

# Engineer



*March*

*1943*

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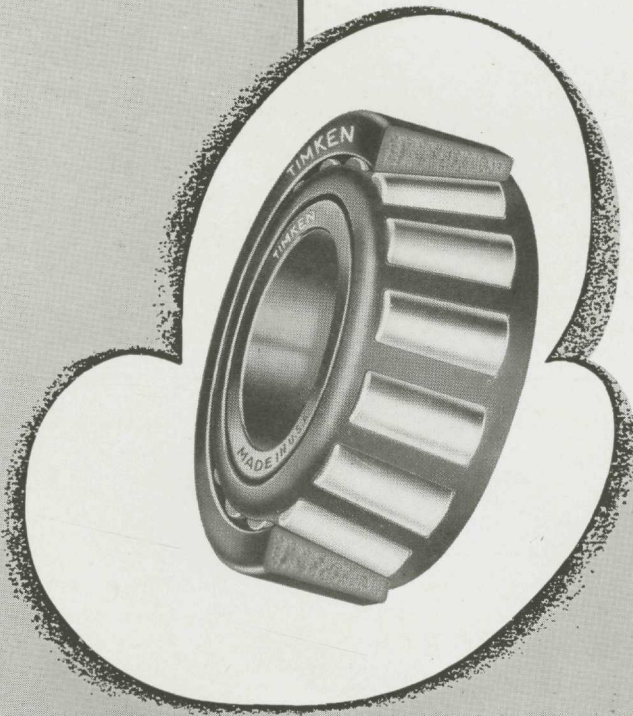
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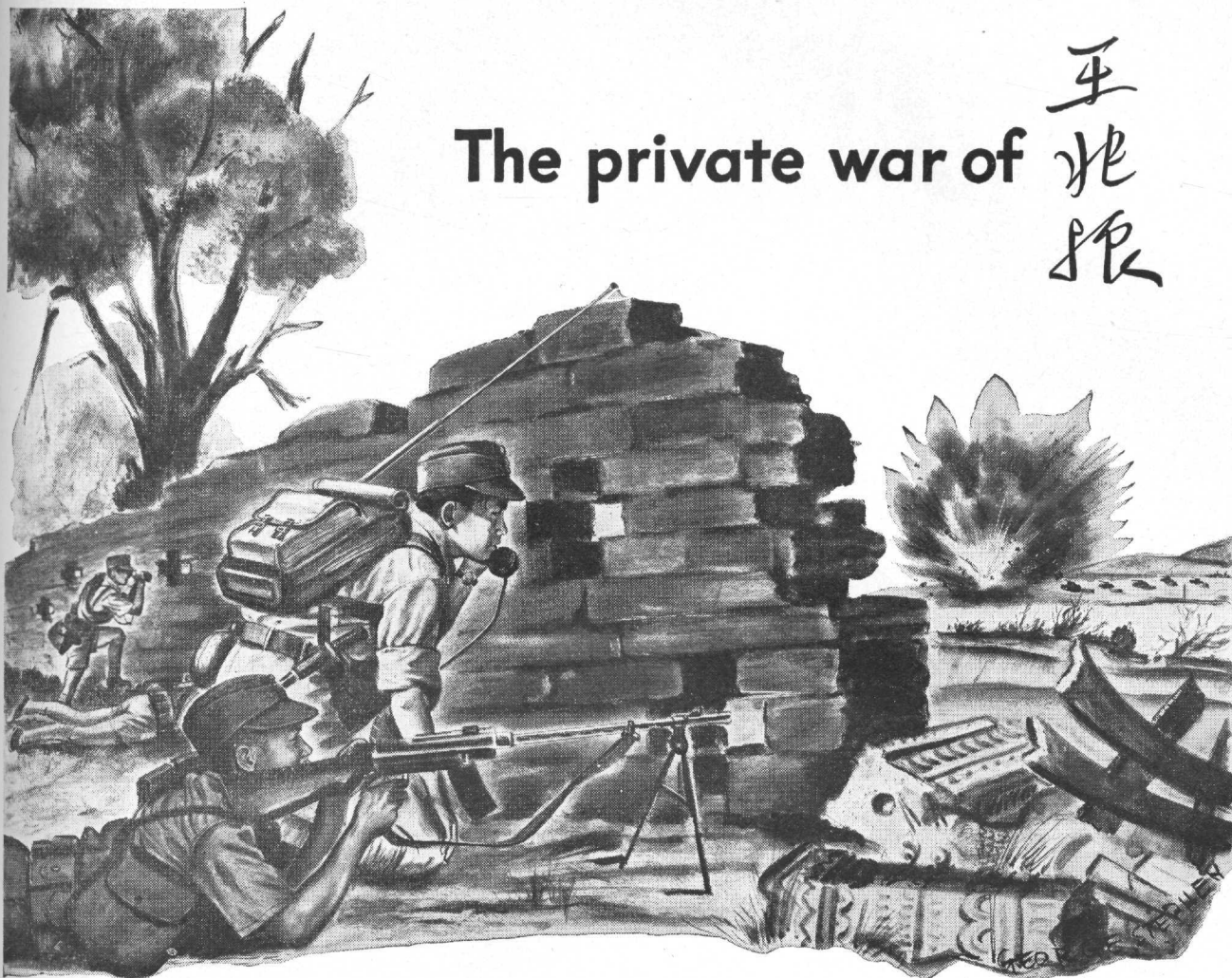


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# The private war of

王 兆 銘



**D**R. CHAO-CHEN WANG carries a slide rule instead of a rifle. Logarithms are his bullets. Differential equations, his high explosives.

Yet he's waging just as deadly a war, against the hated Japs, as any of his brave compatriots in far off China.

*For his is a war of electronics at work!*

Since joining Westinghouse last summer, this young Chinese scientist has made several important contributions in the field of electronics design.

One of them—a new method for measuring the output of ultra high frequency radio tubes—may prove as valuable to the United Nations as a million machine-gun bullets fired at the enemy!

Dr. Wang is an expert in the mathematics of ultra high frequency communications. He does his "Jap fighting" in one of the Westinghouse Electronics Laboratories.

Here he employs his special genius in calculating—in advance—the per-

formance and characteristics of electronic tubes *before* they actually take form.

★ ★ ★

DR. WANG, and other young engineers who enter our employ every year, are constantly contributing to the "know how" of the Westinghouse organization.

Westinghouse believes in helping young engineers grow and advance as rapidly as possible—for upon these scientists of tomorrow our whole future depends.

Westinghouse Electric & Manufacturing Company, Pittsburgh, Pennsylvania.

**TUNE IN** the Westinghouse Program starring John Charles Thomas—NBC Network, Sunday, 2:30 P. M., Eastern War Time.



**DR. CHAO-CHEN WANG** studied electrical engineering at Chiao Tung University in Shanghai. He was sent to Harvard University by the Chinese Government where he specialized in ultra high frequency communications. Before joining Westinghouse, he received his M. S., in 1938, and his Ph. D., in 1940.

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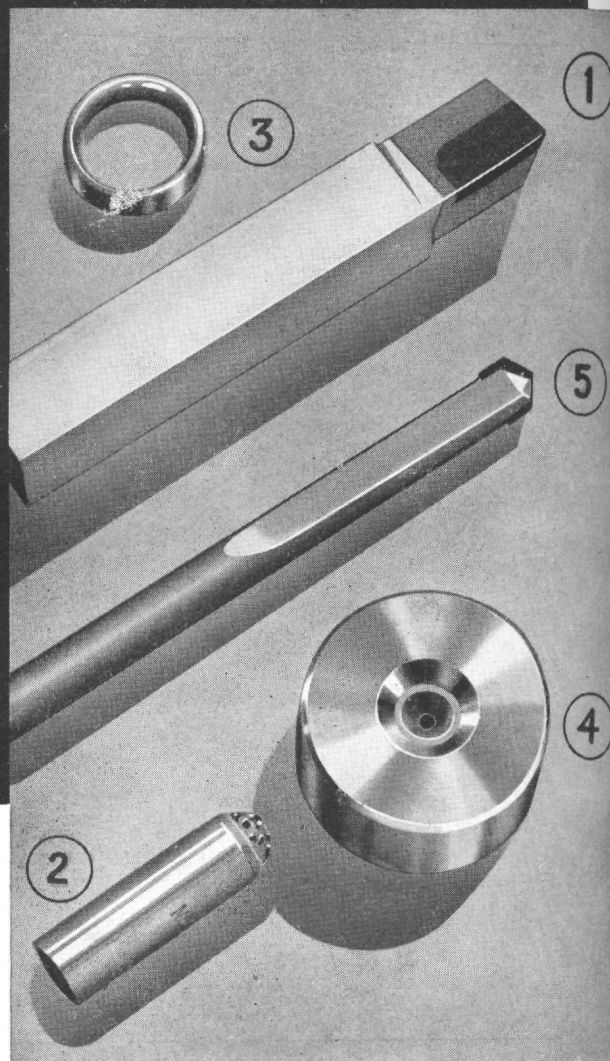
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# The OHIO STATE ENGINEER

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March, 1943

No. 4

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**FRONTISPIECE**  
All-welded rotary kiln—courtesy Allis-Chalmers Electrical Review.

**COVER**  
The cover illustration shows how radio tube is sealed by gas flame at 1000 degrees Fahrenheit—Courtesy Westinghouse.

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